

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	171	"6395144" "5236672" "4954320" "5843288"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/16 10:01
L2	117	("6395144" "5236672" "4954320" "5843288") and (cataly\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/16 10:02
L3	97	("6395144" "5236672" "4954320" "5843288") and (cataly\$5) and (noble tungsten W silicon Si Fe iron Rh rhodium Pt platinum)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/16 10:02
L4	23	("6395144" "5236672" "4954320" "5843288") and (cataly\$5) and (noble tungsten W silicon Si Fe iron Rh rhodium Pt platinum) and (CFC PFC fluorinated per \$1fluorinated fluorine F2 "F.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/16 10:33
S1	286	(204/157.3).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 12:14
S2	2	("2003/0000823").URPN.	USPAT	OR	ON	2011/02/09 12:27
S3	7	"6620394"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 12:28
S4	2822	(plasma near3 (torch jet stream)) same electrode same (gas gaseous gases)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:03
S5	272	(plasma near3 (torch jet stream)) same electrode same (gas gaseous gases) and (reaction near (chamber cell tube container))	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:04
S6	157	(plasma near3 (torch jet stream)) same electrode same (gas gaseous gases) and (reaction near (chamber cell tube container)) and ion	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:05
S7	0	"smith-james-robert.in"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:24

S8	0	"smith-james-r.in"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:24
S9	0	"smith-james.in" and (edwards.as. or vacuum. as.)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:25
S10	0	"smith-james.in" and ("edwards adj vacuum". as.)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:26
S11	0	"smith-james.in"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:26
S12	0	seeley-andrew.in.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:26
S13	27	seeley-andrew-james.in.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:26
S14	3	radoiu-marilena.in.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 14:28
S15	258	(422/186.29).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 15:41
S16	96	(plasma near3 (gun beam)) same electrode same (gas gaseous gases) and (reaction near (chamber cell tube container)) and ion	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/09 16:25
S17	25	US-5236672-\$.DID. OR US-5354962-\$.DID. OR US-6361706-\$.DID. OR US-6384292-\$.DID. OR US-6673323-\$.DID. OR US-6689252-\$.DID. OR US-20030000823-\$.DID. OR WO-9811982-\$.DID. OR JP-4279179-\$.DID. OR JP-200310638-\$.DID. OR JP-2003282465-\$.DID. OR JP-2003275542-\$.DID. OR JP-2000334294-\$.DID. OR jp-4279179-\$.DID. OR JP- 2003010638-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/09 16:54
S18	43	rostaing.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:15
S19	15	rostaing.in. and plasma and (fluoro\$1carbon CFC PFC)	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:16
S20	12	moisan.in. and plasma and (fluoro\$1carbon CFC PFC)	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:19
S21	3	edwards.as. and plasma and (fluoro\$1carbon CFC PFC)	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:38

S22	63515	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:57
S23	16589	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) same ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:57
S24	12	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (OH- "OH.super. minus" H+ "H.super.plus") same ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:58
S25	143	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (OH- "OH.super. minus" H+ "H.super.plus") and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 15:58

S26	14	("20020012618"   "20040098977"   "20040216451"   "20050103001"   "5746984"   "5894728"   "6176078"   "6363716"   "6560958"   "6655130"   "6912841"   "6957528"   "7021048"   "7090811"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:03
S27	546	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (hydroxy hydroxyl proton hydron (hydrogen near ion)) and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:30
S28	562	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (hydroxy hydroxyl proton hydron (hydrogen near2 ion)) and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:31
S29	19	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (hydroxy hydroxyl proton hydron (hydrogen near2 ion)) same ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:32
S30	0	("4772775").URPN.	USPAT	OR	ON	2011/05/30 16:37
S31	1	"4772775"	USPAT	OR	ON	2011/05/30 16:37

S32	143	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (OH- "OH.sup.minus" H+ "H.sup.plus") and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:47
S33	12	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (OH- "OH.sup.minus" H+ "H.sup.plus") same ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:47
S34	3	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) same (OH- "OH.sup. minus" H+ "H.sup.plus") near ((plasma discharge) near (barrier corona torch thermal steam glow arc gun))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 16:48
S35	31	US-6170668-\$.DID. OR US-6365112-\$.DID. US- 5766447-\$.DID. OR DE- 20122005-\$.DID. OR WO- 02098799-\$.DID. or us- 6802981-\$.did. or JP- 2001010808-\$.DID. OR JP- 2001000986-\$.DID. US- 20020014400-\$.DID. JP- 09507426-\$.DID. OR JP- 2003320373-\$.DID. OR JP- 2000093967-\$.DID. OR JP- 04287673-\$.DID. JP- 2001070946-\$.DID. OR JP- 2003080059-\$.DID. OR JP- 2003080058-\$.DID. OR JP-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/30 16:55

		2000288547-\$.DID.				
S36	0	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (hydroxy hydroxyl proton hydron (hydrogen near ion)) and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun)) and ((vapor near absorption) or (direct near vapor near inject\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 17:18
S37	3	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) near (OH- "OH.sup.-" "OH. sup.minus" H+ "H.sup.+" "H.sup.plus") and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun)) and ((vapor near absorption) or (direct near vapor near inject\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 17:19
S38	49	(water alcohol hydro \$1carbon ammonia paraffin methanol CH4 "CH.sub.4" ethanol C2H6 "C.sub.2H.sub.6" propanol propan-2-ol butanol (isopropyl near3 alcohol)) and ((plasma discharge) near (barrier corona torch thermal steam glow arc gun)) and ((vapor near absorption) or (direct near vapor near inject\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 17:19

S39	14	("20020012618"   "20040098977"   "20040216451"   "20050103001"   "5746984"   "5894728"   "6176078"   "6363716"   "6560958"   "6655130"   "6912841"   "6957528"   "7021048"   "7090811"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/30 17:38
S40	37	uhm.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:33
S41	9	vartanian.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:41
S42	8	tonnis.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S43	0	graves-david-b.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S44	0	graves-david.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S45	0	beu-laurie.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S46	0	jewett-rusty.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S47	28	jewett.in. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:42
S48	6	jewett.in. and plasma and (PFC or per\$1fluorinated)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 18:43
S49	7	"6361706"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/01 19:10
S50	1844	(204/164).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:09
S51	838	(204/164).ccls. and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:09
S52	101	(204/164).ccls. and (plasma near (stream torch))	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:10
S53	69	(204/164).ccls. and (plasma near (stream torch)) and electrode	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:10
S54	5	(204/164).ccls. and (plasma near (stream torch)) and electrode and (CFC PFC fluoro \$compound fluoro\$carbon CF4 "CF.sub.4")	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:11

S55	7	(204/164).ccls. and (plasma near (stream torch)) and electrode and (fluorine)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:21
S56	829	(204/164).ccls. and (glow arc barrier corona) and electrode	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:24
S57	120	(204/164).ccls. and ((glow arc barrier corona) near electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:24
S58	3	(204/164).ccls. and ((glow arc barrier corona) near electrode) and (CFC PFC Fluoro\$1carbon fluoro \$compound CF4 "CF. sub.4" C2F6 "C.sub.2F. sub.6")	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:25
S59	11	(204/164).ccls. and ((glow arc barrier corona) near electrode) and (fluorine)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:26
S60	72	(204/164).ccls. and ((glow arc barrier corona) near electrode) and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:31
S61	90	(588/311).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 13:54
S62	12	"6340863"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/02 14:03
S63	21	("20020033377"   "20030012718"   "20040001787"   "20040131524"   "20050002842"   "4438706"   "4489041"   "4644877"   "5187344"   "5560844"   "5637127"   "5750823"   "5817284"   "5843288"   "5965786"   "5980701"   "6187072"   "6193934"   "6290918"   "6423284"   "6962679"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:09
S64	41	588/312.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:32
S65	624	588/406.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:34
S66	40	588/406.ccls. and plasma and (PFC or CFC or fluoro \$1carbon or fluoro \$1compound)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:37



S67	38	588/406.ccls. and plasma and (PFC or CFC or fluoro \$1carbon or fluoro \$1compound) and (water OH- "OH.sup.minus" H+ "H.sup.plus")	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:38
S68	27	588/415.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/08 15:52
S69	2	"6888040"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/13 10:24
S70	18279	(cataly\$5) same (H2O "H. sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) and (H+ "H.sup. plus" "OH.sup. minus" ((hydroxyl hydrogen) near ion))	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:13
S71	6098	(cataly\$5) same (H2O "H. sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) same (H+ "H.sup. plus" "OH.sup. minus" ((hydroxyl hydrogen) near ion))	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:13
S72	22	(cataly\$5) near (H2O "H. sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) near (H+ "H.sup. plus" "OH.sup. minus" ((hydroxyl hydrogen) near ion))	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:14
S73	439	(cataly\$5) same (H2O "H. sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) same (H+ "H.sup. plus" "OH.sup. minus" ((hydroxyl hydrogen) near ion)) and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:14

S74	414	(cataly\$5) same (H <sub>2</sub> O "H.sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) same (H+ "H.sup.plus" "OH.sup.minus" ((hydroxyl hydrogen) near ion)) and plasma and (W tungsten Si silicon Fe iron Rh rhodium Pt platinum)	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:15
S75	164	(cataly\$5 same (W tungsten Si silicon Fe iron Rh rhodium Pt platinum)) same (H <sub>2</sub> O "H.sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) same (H + "H.sup.plus" "OH.sup.minus" ((hydroxyl hydrogen) near ion)) and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:15
S76	132	(cataly\$5 same (W tungsten Si silicon Fe iron Rh rhodium Pt platinum)) same (H <sub>2</sub> O "H.sub.2O" water alcohol ethanol methanol propanol propa-2-ol (isopropyl near3 alcohol) butanol) same (H + "H.sup.plus" "OH.sup.minus" ((hydroxyl hydrogen) near ion)) and plasma not blood	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 20:16

6/ 16/ 2011 11:14:28 AM

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